

[METHOD AND APPARATUS FOR DYNAMICALLY MANAGING POWER CONSUMPTIONS OF SENDING AND RECEIVING DRIVERS]

Abstract

A method for managing power consumptions of a sending driver and a receiving driver within a data communication system is disclosed. The sending driver is coupled to a sender and a sensor. The receiving driver is coupled to a receiver and a controller. The sensor adjusts a transmission frequency and a supply voltage level to the sending driver according to the amount of data that needed to be sent by the sender. Data within the sender are then transmitted by the sending driver to the receiving driver according to the adjusted transmission frequency and the adjusted supply voltage level.